# Technical Data sheet DILITE®

| ***Panel Thickness :*** | | | **2 mm** | **3 mm** |
|---|---|---|---|---|
| Cover sheet, thickness | | | 0,20 mm | |
| Weight | | [kg/m$^2$] | 2,60 | 3,50 |
| ***Technological data :*** | | | | |
| Section modulus | W | [cm$^3$/m] | 0,32 | 0,56 |
| Rigidity | E·I | [kNcm$^2$/m] | 249 | 603 |
| Alloy of Aluminium Layers | | | EN AW-5005 (AlMg1), H46, EN 485-2 | |
| Modulus of Elasticity | | [N/mm$^2$] | 70'000 | |
| Tensile of cover sheets | | [N/mm$^2$] | $R_m$ : ≥ 135 | |
| 0.2% Proof stress | | [N/mm$^2$] | $R_{p0,2}$ : ≥ 165 | |
| Elongation | | | $A_{50}$ ≥ 2 % | |
| Linear Thermal Expansion | | | 2,4 mm/m at 100°C temperature difference | |
| ***Core :*** | | | | |
| Polyethylene, Type LDPE | | [g/cm$^3$] | 0,92 | |
| ***Surface :*** | | | | |
| Lacquering | | | Modified Polyester System | |
| Gloss (initial value) | | | 30 -85 % | |
| Pencil Hardness | | | H | |
| ***Range of application*** | | | -50°C to +80°C | |

Preliminary data, product in development

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